

CITY OF ROCKVILLE

Refuse and Recycling
Program



Refuse and Recycling Program Options

Rockville Refuse and Recycling Program Options

The following are the service options to be presented to the Mayor and Council on Monday, Jan. 29. A public hearing is scheduled for Tuesday, Feb. 20 at 7 p.m.

SERVICE COMPONENT	CURRENT SYSTEM	AUTOMATED – TWICE PER WEEK	AUTOMATED – CHOICE OF ONCE OR TWICE PER WEEK
REFUSE COLLECTION	Manual with 32-gallon cans and/or bags provided by resident, back/side door.	Automated with wheeled carts (four sizes). Curb/alleyway only. Townhomes, where carts cannot be utilized, will be exempted from cart use on a case-by-case basis.	
REFUSE COLLECTION FREQUENCY	Twice per week.	Twice per week.	Resident chooses once or twice per week.
REFUSE OVERFLOW	Unlimited with regular refuse set out.	Options: 1) All refuse in cart(s). 2) Additional carts provided with or without a charge. 3) Bags or tags provided with or without a charge.	
RECYCLING	Multiple streams – Items prepared and separated by resident. Once per week, curbside pickup only.	Single stream recycling – Everything in wheeled carts (four sizes). Once per week, curbside only pick-up. Broken glass and unflattened cardboard are accepted in the automated system.	
BULK COLLECTION (<i>Items that will not fit in cart, including metal, appliances "whitegoods"</i>)	Bulk – Unlimited with regular refuse set out. Metal/Whitegoods (oversized items) – by appointment.	All pickups combined with the following options: 1) Quarterly – scheduled by pickup area. 2) Monthly. 3) By appointment (with a limit per year). No pickup of items too large for equipment.	
HOUSEHOLD HAZARDOUS WASTE AND OIL, TIRES, CAR BATTERIES	By appointment.	Options: Retain current service or rely on seven-day per week drop off at Montgomery County Transfer Station at Shady Grove.	
SEASONAL LEAF COLLECTION	Two fall and one spring leaf collection per area.	Retain service and transition to automated vacuum collection method.	
YARDWASTE	Once per week, curbside and unlimited pickup.	Retain once per week collection service and explore automation options.	
RATES	Flat rate per household per month.	Options: 1) Flat rate per household per month. 2) Variable rate depending on cart size. 3) Charge per overflow.	Options: 1) Flat rate per household per month. 2) Variable rate depending on cart size and frequency. 3) Charge per overflow.
RESIDENT AVERAGE ESTIMATED COST IN 2020	\$61.45/month (7.6 percent average annual rate increase).	\$85.90/month (8.7 percent average annual rate increase).	\$47.90/month for once per week (4.2 percent average annual rate increase)
YEAR FUND OUT OF DEBT	2015	2018	2010
EST. ANNUALIZED COST OR SAVINGS OVER CURRENT SYSTEM	\$0.00 (total budget \$5.3 million).	\$130,766 additional cost.	\$703,477 savings for once per week.



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- Semi-automated (and fully-automated, where technically feasible)
- Four sizes of wheeled carts are: 32, 48, 64, 96-gallon
- Curbside/alleyway only with the elimination of back door/side yard pickup
- Alternate system (manual bag system) for townhomes on a case-by-case basis



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REFUSE COLLECTION FREQUENCY	Twice per week.	Twice per week.	Resident chooses once or twice per week.

- Twice per week – all residents receive twice per week regardless of preference
- Choice of once or twice per week – all residents choose their preference based on a household-by-household basis, regardless of the choice by others in their neighborhood.
- Decision to discontinue if either once or twice per week subscription falls below a certain threshold?



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REFUSE OVERFLOW	Unlimited with regular refuse set out.	Options: 1. All refuse in cart(s). 2. Additional carts provided with or without a charge. 3. Bags or tags provided with or without a charge.	

- In Option 1, all refuse is placed in the cart(s) with no overflow allowed
- Option 2 includes a decision on the total number of additional carts allowed per household
- Bags/tags and additional carts can be offered together (Option 2 and 3)



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- Single Stream – plastic, glass, aluminum, paper, cardboard combined in one cart
- Four sizes of wheeled carts are: 32, 48, 64, 96-gallon
- Recyclables off-loaded at City facility and transported by contract carrier to private Elkridge Material Recovery Facility (MRF)



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- Possible hybrid option (for example, quarterly pickup, with one or two calls per household for emergencies)
- Additionally, a decision on the volume or number of items per set out, if any



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SERVICE COMPONENT	CURRENT SYSTEM	AUTOMATED – TWICE PER WEEK	AUTOMATED – CHOICE OF ONCE OR TWICE PER WEEK
SEASONAL LEAF COLLECTION	Two fall and one spring leaf collections per area.	Retain service and transition to automated vacuum collection method.	



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SERVICE COMPONENT	CURRENT SYSTEM	AUTOMATED – TWICE PER WEEK	AUTOMATED – CHOICE OF ONCE OR TWICE PER WEEK
YARDWASTE	Once per week, curbside and unlimited pickup.	Retain once per week collection service and explore automation options.	

- Resident can continue to set out yardwaste in kraft paper yardwaste bags or in resident-provided 32-gallon containers



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RATES	Flat rate per household per month.	Options: 1. Flat rate per household per month. 2. Variable rate depending on cart size. 3. Charge per overflow.	Options: 1. Flat rate per household per month. 2. Variable rate depending on cart size and frequency. 3. Charge per overflow.



- The refuse cart size is the basis for the variable rate
- Determine the structure for overflow charges, if any (carts and/or bags/tags)

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RESIDENT AVERAGE ESTIMATED COST IN 2020	\$61.45/month (7.6 percent average annual rate increase).	\$65.90/month (8.7 percent average annual rate increase).	\$47.90/month for once per week. (4.2 percent average annual rate increase).
YEAR FUND OUT OF DEBT	2015	2018	2010
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Refuse and Recycling Program Options

- Under the choice of once or twice per week, the resident average estimated cost in 2020 for those choosing once per week would be \$47.90 if all additional costs for those choosing twice per week are borne by those making that choice
- The monthly rate for those choosing twice per week under the choice of once or twice per week will be higher than \$47.90

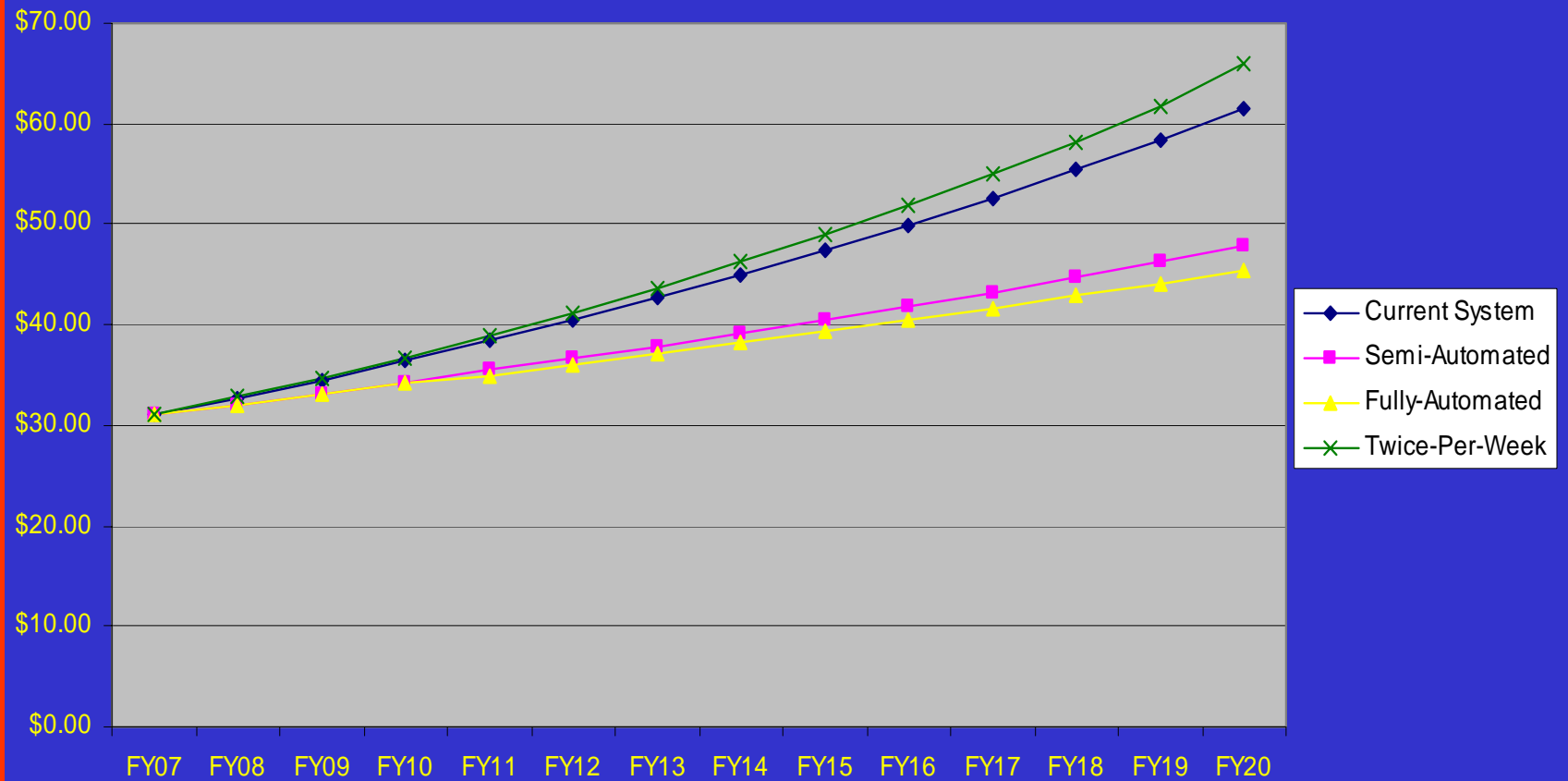


Twice-Per-Week Collection

Current System	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Rate/month	\$31.00	\$32.70	\$34.50	\$36.40	\$38.40	\$40.50	\$42.70	\$45.00	\$47.40	\$49.95	\$52.60	\$55.40	\$58.35	\$61.45
\$ Increase	\$1.50	\$1.70	\$1.80	\$1.90	\$2.00	\$2.10	\$2.20	\$2.30	\$2.40	\$2.55	\$2.65	\$2.80	\$2.95	\$3.10
% Increase	5.08%	5.48%	5.50%	5.51%	5.49%	5.47%	5.43%	5.39%	5.33%	5.38%	5.31%	5.32%	5.32%	5.31%
Semi-Automated	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Rate/month	\$31.00	\$32.05	\$33.15	\$34.30	\$35.45	\$36.65	\$37.90	\$39.20	\$40.50	\$41.85	\$43.25	\$44.75	\$46.30	\$47.90
\$ Increase	\$1.50	\$1.05	\$1.10	\$1.15	\$1.15	\$1.20	\$1.25	\$1.30	\$1.30	\$1.35	\$1.40	\$1.50	\$1.55	\$1.60
% Increase	5.08%	3.39%	3.43%	3.47%	3.35%	3.39%	3.41%	3.43%	3.32%	3.33%	3.35%	3.47%	3.46%	3.46%
Fully-Automated	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Rate/month	\$31.00	\$32.05	\$33.15	\$34.30	\$35.00	\$36.05	\$37.10	\$38.20	\$39.30	\$40.45	\$41.65	\$42.85	\$44.10	\$45.40
\$ Increase	\$1.50	\$1.05	\$1.10	\$1.15	\$0.70	\$1.05	\$1.05	\$1.10	\$1.10	\$1.15	\$1.20	\$1.20	\$1.25	\$1.30
% Increase	5.08%	3.39%	3.43%	3.47%	2.04%	3.00%	2.91%	2.96%	2.88%	2.93%	2.97%	2.88%	2.92%	2.95%
Twice-Per-Week	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Rate/month	\$31.00	\$32.85	\$34.75	\$36.75	\$38.90	\$41.15	\$43.60	\$46.20	\$48.95	\$51.85	\$54.95	\$58.20	\$61.65	\$65.90
\$ Increase	\$1.50	\$1.85	\$1.90	\$2.00	\$2.15	\$2.25	\$2.45	\$2.60	\$2.75	\$2.90	\$3.10	\$3.25	\$3.45	\$4.25
% Increase	5.08%	5.97%	5.78%	5.76%	5.85%	5.78%	5.95%	5.96%	5.95%	5.92%	5.98%	5.91%	5.93%	6.89%



Twice-Per-Week Collection



Choice of Once or Twice Per Week

Estimated FY 2008 Charges

Cart Size Selected	Once Per Week Monthly Charge	Twice Per Week Monthly Charge
96-gallon	\$38.13	\$66.40
64-gallon	\$32.13	\$54.40
48-gallon	\$29.13	\$48.40
32-gallon	\$26.13	\$42.40



Holidays

The City does not collect refuse and recycling on days when the Montgomery County Transfer Station is closed. This represents six possible non-collection days due to the following holidays:

New Year's Day
Independence Day
Thanksgiving Day

Memorial Day
Labor Day
Christmas Day

Mayor and Council may approve an alternate collection schedule for non-collection holidays so that no pickup is missed due to non-collection holidays.

The alternate schedule will depend on the refuse collection frequency and whether the alternate pickup is for only refuse or for both refuse and recycling.

Refuse and recycling collection is provided on all other holidays.



Non-Collection Holiday Frequency

	<u>Monday</u>	<u>Tuesday</u>	<u>Thursday</u>	<u>Friday</u>
New Year's	.14	.14	.14	.14
Memorial Day	1.00	n/a	n/a	n/a
Independence Day	.14	.14	.14	.14
Labor Day	1.00	n/a	n/a	n/a
Thanksgiving Day	n/a	n/a	1.00	n/a
Christmas Day	<u>.14</u>	<u>.14</u>	<u>.14</u>	<u>.14</u>
	2.42	0.42	1.42	0.42

The average number of non-collection holidays per year is 4.68.

For twice per week collection, the average number of non-collection holidays for Monday/Thursday households is 3.84 and the average number for Tuesday/Friday is 0.84.



Non-Collection Holidays Per Fiscal Year

FY 2008, FY 2013, FY 2019

	M	T	W	Th	F	Sa	Su
Independence Day			X				
Labor Day	X						
Thanksgiving Day				X			
Christmas		X					
New Year's Day		X					
Memorial Day	X						

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FY 2009, FY 2015

	M	T	W	Th	F	Sa	Su
Independence Day					X		
Labor Day	X						
Thanksgiving Day				X			
Christmas				X			
New Year's Day				X			
Memorial Day	X						

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FY 2010, FY 2016

	M	T	W	Th	F	Sa	Su
Independence Day						X	
Labor Day	X						
Thanksgiving Day				X			
Christmas					X		
New Year's Day					X		
Memorial Day	X						

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FY 2011

	M	T	W	Th	F	Sa	Su
Independence Day							X
Labor Day	X						
Thanksgiving Day				X			
Christmas						X	
New Year's Day						X	
Memorial Day	X						

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FY 2012, FY 2017

	M	T	W	Th	F	Sa	Su
Independence Day	X						
Labor Day	X						
Thanksgiving Day				X			
Christmas							X
New Year's Day							X
Memorial Day	X						

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FY 2014, FY 2020

	M	T	W	Th	F	Sa	Su
Independence Day				X			
Labor Day	X						
Thanksgiving Day				X			
Christmas			X				
New Year's Day			X				
Memorial Day	X						

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FY 2018

	M	T	W	Th	F	Sa	Su
Independence Day		X					
Labor Day	X						
Thanksgiving Day				X			
Christmas	X						
New Year's Day	X						
Memorial Day	X						


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Alternate Holiday Collection Schedule

Below is a sample concept for providing alternate collection days so no pickup is missed due to non-collection holidays.

M	T	W	Th	F
Holiday	X	X	X	X



M	T	W	Th	F
X	Holiday	X	X	X



M	T	W	Th	F
X	X	X	Holiday	X



M	T	W	Th	F
X	X	X	X	Holiday



Choice of Once or Twice Per Week

Implementation Considerations:

- “Open Season” once per year to make changes to collection frequency and/or cart size selection, including a decision on the number of additional changes per year with or without a charge
- Cart stickers could be utilized to indicate twice per week collection; these would change color at each open season to indicate the choice for the upcoming year



Next Steps

- Public Hearing
 - Monday, February 20, 2007, 7:00 p.m., Mayor and Council Chambers
- Mayor and Council discussion and instructions
 - March 2007
- Mayor and Council decision
 - April 2007
- Refuse charge resolution
 - May 2007
- Budget amendment, if necessary, based upon Mayor and Council decision
 - June 2007
- Phased-in implementation, based upon Mayor and Council decision
 - January 2008 – June 2009

